

# Alexander Weimer

Electrical Engineering Student at University of Minnesota, Minnesota, USA

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## Experience

### Independent Research Lead

Minnetonka Research

Minnetonka, MN

Sep 2024–Jun 2025

- Led a yearlong project developing a machine learning model for reading Gregg shorthand.
- Article: [doi.org/10.31224/4661](https://doi.org/10.31224/4661), Model Repository: [doi.org/10.57967/hf/5604](https://doi.org/10.57967/hf/5604)

### Research Intern

KTH Royal Institute of Technology

Stockholm, Sweden

Jun 2023–Jul 2023

- Led a project in Materials Engineering under the mentorship of Dr. Antonio Capezza.
- Presented a talk about my research at the Swedish National Museum of Science and Technology.

## Education

### University of Minnesota

Bachelors of Electrical Engineering

Minneapolis, Minnesota

2025–2028 (est.)

### Minnetonka High School

AP International Diploma | Dual Enrollment @ SCSU & Normandale Community College

Minnetonka, Minnesota

2021–2025

- GPA: 4.4 Weighted / 3.8 Unweighted
- Activities: Speech & Debate (Captain), Minnetonka Research, Cultural Fair,  $\Delta E\Phi$

## Volunteering

### Camp Lecturer, Counselor

Minnetonka Community Education

Minnetonka, MN

Jun 2021–

- Taught middle school speech/debate camps for several years. Counselor at science camp.

## Honors/Awards

Category 1st Place—Robotics & Intelligent Machines (ISEF 2nd Alternate), TCRSF

Mar 2025

National Merit Scholar, National Merit Scholarship Program

Apr 2025

Degree of Special Distinction, National Speech & Debate Honor Society

Nov 2024

AP International Diploma, College Board

Jul 2024

National German Exam Level 4 Gold award (91st percentile), AATG

Mar 2024

Minnesota Platinum Bilingual Seal (German & English), Minnesota Dept. of Education

Feb 2024

## Skills

**Languages** Javascript/Typescript, React, Python, Java, Matlab

**Tooling** Solidworks, Git,  $\text{\LaTeX}$ , Linux, Shell (Bash, Zsh)

**Soft Skills** Collaborative software development, public speaking, academic/professional writing

## Languages

**Swedish** Native proficiency

**English** Native proficiency

**German** Professional working proficiency